



New Location
 Drill Deeper
 Abandonment X

Map Sh 24 N 23 W 4 FB 835 P-5-6

Company Hope Natural Gas Co.
 Address Clarksburg, W.Va.
 Farm L.L. Richmond
 Tract _____ Acres 100 Lease No. 2010
 Well (Farm) No. _____ Serial No. 491
 Elevation (Spirit Level) 1197'
 Quadrangle Cameron SW
 County Marshall District Meade
 Engineer W.M. Powers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 11-18-46 Scale 1" = 40 P

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. MARS-257-A

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.



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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. 757-A

Oil or Gas Well (KIND)

Company Hope Natural Gas Company.
 Address 445 West Main St. Clarksburg, W. Va.
 Farm L. L. Richmond Acres 110
 Location (waters) _____
 Well No. 491 Elev. 1197
 District Meade County Marshall
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced December 1, 1903
 Drilling completed March 5, 1904
 Date Shot _____ From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water none recorded feet _____ feet
 Salt water none recorded feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	1366	725	Size of
8 1/4	1571	1571	
6 5/8	2240		Depth set
5 3/16	2240	2240	
3	2900	2900	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED NOT SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 530 FEET 60 INCHES
785 FEET 60 INCHES 880 FEET 60 INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Native coal			530	535			
Pittsburgh Coal			785	790			
Pittsburgh Coal			880	885			
Dunkard sand			1300	1340			
Salt sand			1615	1810			
Big Lime			1960	2005			
Big Injun			2005	2285			
Gordon stray			2840	2845			
Gordon			2885		gas	2893	
Total depth				2900			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date November 14, 1946., 19__

APPROVED Hope Natural Gas Company., Owner

By General Superintendent.

